ing circuits for demodulating and decoding said pulse-width modulated signal is powered by rectification and filtering of said pulse-width modulated signal.

15. The combination as claimed in claim 13, wherein the individual pulses in said pulse-width modulated signal are generated by execution of a sequence of successive steps in an interrupt program of said computer,

and wherein only one of said pulses is generated each time that said interrupt program is executed.

16. In an administrative telephone and intercom system having a plurality of stations including multi-link dialable telephones having dialing means, dialess multi-link telephones, dialess single-link telephones, and intercom speakers, connections between said stations being supervised by a control computer, each of said stations being selectively addressable by said control computer transmitting corresponding preassigned physical numbers to said respective stations, and a selected one of said stations being connected to a multi-link dialable telephone in response to dialing from said multi-link dialable telephone a preprogrammed architectural number corresponding to the physical number of the selected station, said control computer having data stored in electrically alterable memory for said physical numbers identifying the architectural number associated with each physical number and whether a multi-link dialable dialless telephone or single line telephone or intercom speaker is addressable at said physical number, at least one of said multi-link dialable telephones having an associated display for displaying numbers transmitted from said control computer, said control computer being programmed to receive numbers dialed from said telephone associated with said display to permit user programming of said control computer, a method of operating said control computer for user programming comprising the steps of:

(a) receiving a first number dialed from said multi-link dialable telephone associated with said display, testing the first number to determine whether the first number corresponds to a preassigned number for user programming, and upon receipt of said number for user programming thereafter

(b) receiving a second number dialed from said multi-link dialable telephone associated with said display

to identify a physical number for which reprogramming of said electrically alterable memory is desired, and thereafter

(c) displaying said data stored in said electrically alterable memory associated with the physical number identified by said second number received in step b), and thereafter

(d) receiving a third number dialed from said multi-link dialable telephone associated with said display and changing said data stored in said electrically alterable memory in response to said third number.

17. The method of operating said computer as claimed in claim 16, wherein the data for each physical number identifying whether one of said multi-link dialable or dialess telephone or single link telephone or intercom speaker is associated with the physical number is encoded as an ordered series of bits, and wherein said step (c) of displaying said data displays said data encoded as an ordered sequence of digits or blanks, a digit or blank being selectively displayed in response to whether a corresponding bit is set or cleared, and wherein said step (d) of receiving said third number comprises receiving a digit dialed from said telephone and changing the value of the bit corresponding to the digit dialed from said telephone.

18. The method of operating said computer as claimed in claim 16, wherein said data stored in said electrically alterable memory further includes data identifying whether both one of said intercom speakers and one of said telephones is associated with a physical number, and wherein said computer directs calls to said physical number to said speaker associated with said physical number, unless said telephone associated with said physical number goes off-hook during a call directed to said physical number whereupon the call is directed to said telephone associated with said physical number.

19. The method of operating said computer as claimed in claim 16, wherein a physical number is associated with both one of said speakers and one of said telephones, and said data stored in said electrically alterable memory and associated with said physical number includes a bit identifying whether a call directed to the physical number is first directed to the speaker or is first directed to the telephone associated with the physical number.

20. The method of operating said computer as claimed in claim 16 wherein mechanically operated electrical switches are provided for preselecting the physical numbers associated with particular ones of the telephones and speakers.

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